

What is claimed is:

1. A modem apparatus comprising:

a sampling section that samples a reception signal;

5 a difference value calculation section that calculates a difference value between present sampling data and sampling data 1 data unit ahead;

an adder that cumulatively adds up the squares of difference values calculated for every sampling by going
10 back to the time point ahead by the number of samples of a CP signal inserted into an initializing signal; and

a position confirmation section that confirms the position of the CP signal using said addition value.

15 2. The modem apparatus according to claim 1, wherein said position confirmation section recognizes the boundary between the CP signal and signal body based on the sample number of the minimum value of addition values detected after reception of the initializing signal is started.

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3. The modem apparatus according to claim 1, wherein when a minimum value of addition values is detected a
| plurality of times at intervals of the number of samples
of said data unit, said position confirmation section
25 recognizes the boundary between the CP signal and signal body based on the sample number of the minimum value.

4. The modem apparatus according to claim 1, wherein said

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5 (virtually) become 0.

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cumulatively adding up the squares of difference values calculated for every sampling by going back to the time point ahead by the number of samples of a CP

signal inserted into the initializing signal; and

confirming the position of the CP signal from the sample number for which said addition value indicates a minimum value.

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10. The communication control method according to claim 9, wherein the boundary between the CP signal and signal body is recognized based on the sample number of the minimum value of addition values detected after

10 reception of the initializing signal is started.

11. The communication control method according to claim 9, wherein when a minimum value of addition values is detected a plurality of times at intervals of the number

15 of samples of said data unit, the boundary between the CP signal and signal body is recognized based on the sample number of the minimum value.

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